

Fig. 8

- 20 Wheel
- 51 Reduction mechanism
- 50 Motor
- 5 50a Encoder (traveling speed detecting means)
- 70 Control section
- 71 Pressure-sensitive sensor (leaned state detecting means)
- 60 Battery
- 80 Operation switch
- 10 Power off
- Stop/standby
- Low speed
- Intermediate speed
- High speed
- 15 80a Switch control circuit

Fig. 11

- 102 Remaining battery amount detection circuit
- 104 Information management portion
- 20 101 State management portion
- 103 Information input portion
- Score information
- Course information
- 106 Display control section
- 25 105 Display
- 109 Voice transmission control section
- 110 Voice synthesis portion
- 107 Amplifier

108 Loudspeaker
112 Panel control portion
111 Operation panel

5 Fig. 12

104 Information management portion
101 State management portion
117 Input/output control section
114 RF module
10 113 Personal digital assistant
116 USB interface
115 PC
106 Display control section
105 Display
15 109 Voice transmission control section
110 Voice synthesis portion
107 Amplifier
108 Loudspeaker
112 Panel control portion
20 111 Operation panel

Fig. 16

20 Wheel
51 Reduction mechanism
25 50 Motor
50a Encoder (traveling speed detecting means)
60 Battery
70 Control section

- 70e Amplifier
- 70d Brake means
- 70c Motor driver
- 70b Regulator
- 5 70a CPU
- 70f Memory
- 71 Pressure-sensitive sensor (leaned state detecting means)

Fig. 17

- 10 Target traveling speed
- Traveling speed detected by traveling speed detecting means

Fig. 18

- Maximum ON duty
- 15 Upper limit of ON duty
- Target traveling speed

Fig. 19

- S1 Initialization
- 20 Target traveling speed = 0
- Upper limit of torque of motor = 0
- S2 Detection of traveling speed started
- S3 Detection of leaned state started
- S4 System failure?
- 25 S5 Processing of stopping
- S6 Current target traveling speed < Current traveling speed?
- S7 Increase target traveling speed by one stage
- S8 Raise upper limit of torque of motor

- S9 Current target traveling speed > Current traveling speed?
- S10 Lower target traveling speed by one stage
- S11 Lower upper limit of torque of motor
- S12 Leaned state good?
- 5 S13 Target traveling speed = 0?